

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|------------------------------|------------------|---------|------------------|
| L2 | 3 | (10/661752 10/661394).app. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L3 | 45 | ((("66584048") or ("20030123344") or ("20020191517") or ("5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399") or ("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6396667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L4 | 44 | ((("4967286") or ("5398231") or ("5498509") or ("5608717") or ("5608718") or ("5627895") or ("5675570") or ("5688173") or ("5729533") or ("5748607") or ("5751671") or ("5781221") or ("5766495") or ("5846131") or ("5875156") or ("5915858") or ("5949752") or ("5958651") or ("5967676") or ("5997976") or ("6019151") or ("6034930") or ("6102800") or ("6104677") or ("6124011") or ("6160789") or ("6202550") or ("6264295") or ("6270176") or ("6384929") or ("6386667") or ("6403191") or ("6440248") or ("6469969") or ("6074031") or ("20020191517") or ("5764430") or ("4027217") or ("5745457") or ("6026066") or ("6295261") or ("5182741") or ("6452883") or ("6317399"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L5 | 46 | L3 L4 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L6 | 15 | L5 and focus\$4 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L7 | 1864 | ((369/44.29) or (369/44.34) or (369/53.28)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L8 | 43304 | focus\$3 near4 (error gain control) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L9 | 554562 | (optical digital compact video) adj2 (disc disk storage medium) cd dvd | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |

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|-----|---------|--|------------------------------|----|----|------------------|
| L10 | 4968026 | label\$4 image picture draw\$4 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L11 | 927 | L8 same L9 same L10 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L12 | 174 | L11 same actuator | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L13 | 65664 | fourier near3 (coefficient term series transform sum) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L14 | 145 | L8 same L13 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L15 | 4 | L14 same L9 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L16 | 97 | L14 and L9 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L17 | 58497 | sum near3 (signal table) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L18 | 535845 | focus\$3 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L19 | 175956 | (actuator servo) near4 (control\$4 adjust\$4 error gain\$3) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L20 | 437 | L19 same L17 same L18 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L21 | 136 | L20 and L7 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L22 | 4807524 | sector region zone section area portion | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L23 | 141 | L20 same L22 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L24 | 31 | L23 and L7 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L25 | 2 | 10/159399.app. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L26 | 135 | L23 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L27 | 61 | hajjar-roger\$.in. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L28 | 1 | L27 and perry-stuart\$.in. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L29 | 12 | ("3881184" "4439848" "4764914" "4866688" "5121374" "5532990" "5539714").PN. OR ("5742573").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L30 | 1 | runout near6 (sum near2 signal) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L31 | 11 | runout same (sum near2 signal) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |

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| L32 | 1461 | (stor\$4 record\$4) near4 (sum near2 signal) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L33 | 128 | L32 same L18 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L34 | 109 | L33 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L35 | 226 | (tabulat\$3 table) near8 (sum near2 signal) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L36 | 40 | L35 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L37 | 55 | ("4513407" "4677602" "4682332" "4730295" "4761776" "4785451" "4791627" "4856108" "4862447" "4864118" "4866692" "4878211" "4893298" "4901300" "4959822" "4972401" "5014274" "5023854" "5023856" "5060219" "5124966" "5140580" "5146443" "5247494" "5295127" "5333126" "5339301" "5341356" "5377178" "5390159" "5408454" "5418764" "5434834" "5459712" "5467335" "5479388" "5491677" "5587991" "5610880" "5654947" "5729511" "5740143" "5793737" "5831946" "5835462" "5841739" "5850382" "5875158" "5881044" "5886985" "5896353" "5995462" "6087644").PN. OR ("6813226").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L38 | 116 | ("2978647" "3430053" "3684940" "3691543" "3851238" "3893180" "3959820" "3994016" "4133011" "4190859" "4338682" "4340950" "4406000" "4439800" "4446546" "4475182" "4488188" "4504937" "4546395" "4551776" "4564929" "4580255" "4587644" "4594539" "4613963" "4616353" "4682253" "4683560" "4700056" "4707648").PN. OR ("4878211").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L39 | 3429 | focus\$4 near6 sum\$6 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L40 | 115 | L39 near10 sampl\$4 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L41 | 2 | ((("4866688") or ("4439848"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L42 | 754 | focus\$4 same error same (eccentric\$3 warp\$3) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |

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| L43 | 95731 | ("369" "347").clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L44 | 492 | L42 and L43 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L45 | 16 | L42 same sum and L43 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L46 | 62 | L42 same (offset calibrat\$3) and L43 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L47 | 2 | 09/758405.app. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L48 | 12 | ("4745587" "5479389" "5559768" "5761165" "5901121" "5926338" "6137753" "6147944" "6266304").PN. OR ("6765848").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L49 | 4348 | focus\$4 same (eccentric\$3 warp\$3) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L50 | 100 | (feed-forward feed adj forward) and L49 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L51 | 63 | L50 and L43 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L52 | 4 | ((("20030108708") or ("5093798") or ("6567357") or ("6985419")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L53 | 2 | ((("5892742") or ("5550685"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L54 | 579 | (eccentric\$3 warp\$3) same ((writ\$3 label\$3) near4 (label image picture drawing)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L55 | 303637 | (lens actuator opu pickup) near6 (toward away mov\$4 shift position\$3) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L56 | 196274 | eccentric\$3 warp\$3 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L57 | 4551 | L55 same L56 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L58 | 885 | L57 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L59 | 82709 | (lens actuator opu pickup) near6 (toward away) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L60 | 59 | L59 same L56 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L61 | 62 | ("3532045" "3596101" "3673412" "3757124" "3833769" "3876841").PN. OR ("3997715").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L62 | 86455 | (lens actuator opu pickup) near6 (up down axial\$3) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |

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| L63 | 161 | L62 same L56 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L64 | 646 | axial\$3 near2 (runout run-out) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L65 | 554562 | (optical digital compact video) adj2 (disc disk storage medium) cd dvd | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L66 | 1 | ("5742568").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L67 | 0 | nakase-hiromi\$.in. and inoue-hideaki\$.in. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L68 | 7 | nakase-hiromi\$.in. and inoue-hideaki\$.in. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/01/15 18:19 |
| L69 | 1 | ("4628379").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L70 | 68041 | gradual\$4 near3 (chang\$4 apply\$5 add\$4 compensat\$5) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L71 | 2 | 09/950441.app. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L72 | 1061 | (fes "focus error") near10 ((lens pickup pick-up) near4 (position height distance)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L73 | 142 | (fes "focus error") near10 ((detect\$3 determin\$3 measur\$3) near4 ((lens pickup pick-up) near4 (position height distance))) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L74 | 7165 | (servo actuator gain) near4 (resonance (frequency near2 response)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L75 | 3430 | (servo actuator gain) near4 resonance | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L76 | 82 | L75 same (phase near2 shift) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L77 | 6 | L76 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L78 | 1864 | ((369/44.29) or (369/44.34) or (369/53. 28)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L79 | 1 | ("5550685").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L80 | 5175 | foc\$6 near4 (offset baseline base adj (line position)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L81 | 24 | ("4346471" "4357696" "4379256" "4419701" "4613916" "4633453" "4669072" "4707648" "4736354" "4747089" "4855983").PN. OR ("5142520").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |

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| L82 | 1 | ("5550685").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L83 | 29 | ("4607913" "4707648" "4779251" "4779253" "4819220" "4951275" "4967403" "5023861" "5077719" "5079756" "5144609").PN. OR ("5218588").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L84 | 77 | ("4594622" "4598327" "4628379" "4755977" "4890172" "4914725" "5204793" "5233487").PN. OR ("5550685").URPN.. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L85 | 6 | L84 and "369".clas. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L86 | 14 | ("5251194" "5590111").PN. OR ("5808983").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/15 18:19 |
| L87 | 15869 | ("75" "75%") near10 (max maximum peak) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L88 | 1 | L87 near10 (foc\$4 near3 (offset position)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L89 | 49643 | foc\$7 near3 (offset position) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L90 | 36 | L87 same L89 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L91 | 1 | L90 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L92 | 55 | L87 and L89 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L93 | 7179 | ("75" "75%") near10 (control near4 (signal voltage current)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L94 | 67 | L93 and L89 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L95 | 63 | L94 not L92 | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L96 | 279 | L89 near10 ((control actuator) near4 (signal voltage current)) near4 (error accura\$4 inaccura\$4) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L97 | 246 | L96 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L98 | 10 | (max maximum) near10 (less\$4 small\$4) near6 ((control actuator) near4 (signal voltage level)) and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L99 | 144 | error near10 (maximum max) near10 (reduc\$4 low\$4 less\$4 small\$4) near6 (signal voltage level) and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |

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| L100 | 11 | (less\$4 small\$4 reduc\$4 low\$6) near10 (max maximum) near10 (foc\$4 near3 (offset bias)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L101 | 156 | defocus\$4 near10 (foc\$4 near3 (offset bias)) | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L102 | 21 | peak near10 (less\$4 small\$4) near6 ((control actuator) near4 (signal voltage level)) and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L103 | 31 | (max maximum) near10 (vary\$4 adjust\$5) near6 ((control actuator) near4 (signal voltage level)) and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L104 | 63 | L101 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |
| L105 | 2 | ((("20030016607") or ("20040004912"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/15 18:19 |
| L106 | 12 | (rf near6 sum near6 (detector photodetector)) and (track\$4 near6 (push adj pull)) and (focus\$4 near6 astigmatism) and "369".clas. | US-PGPUB; USPAT | OR | ON | 2008/01/15 18:19 |